

KAM

INSTRUCTION MANUAL

LED Quadbar 1 DMX

Stand mountable LED flower effect

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- 4 lens RGB unit that produces stunning flower effects
- 256 extreme bright 5mm red, green and blue LEDs
- Wide angle design mounts on a 35mm lighting stand
- 4 large glass lenses for extreme dispersion
- DMX or Sound-to-Light modes
- Sound-to-Light operation via built-in microphone
- No fan due to cool LED operating temperature
- Metal chassis and adjustable hanging bracket
- Includes rugged rig bag
- Mains fused IEC

For the latest product updates and information on the entire Kam range visit:

www.kam.co.uk

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Kam LED Quadbar 1 DMX

Stand mountable LED flower effect

Thank you for purchasing this product, we hope that it serves you for many years to come.

To optimise the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit.

This unit has been tested at the factory before being shipped to you.

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature and rain or moisture.

Unpacking

Please unpack your new product carefully, your new product should reach you in perfect condition. Please check that no damage has occurred during transit. If any damage is found, do not operate your unit. Please contact the retailer you purchased it from immediately.

Safety

This unit operates on 240V AC. This appliance must be earthed.

This product is for indoor use only, do not expose to rain or moisture. Always store unit in a dry place.

If there is any damage to the mains cable do not use the device.

Always disconnect the unit from the mains supply when carrying out any servicing or cleaning of the unit.

The unit must not be connected to dimming-packs.

Never look directly into any light source as this may damage eyes.

There are no user serviceable parts in this unit, please consult your retailer for any repair work.

Operation

To prolong the life of your unit it is recommended that the unit is not for constant use. Leaving a break between long periods of use will increase the life span of your unit.

When choosing the installation position, please make sure that the device is not exposed to extreme temperature, moisture, and that no air ways are blocked, keep a good distance from materials etc.

When using smoke machines/foggers, make sure that the device is never exposed to the direct smoke jet and is installed at distance of 0.5 meters away from other surfaces. Always fix the fixture with an appropriate safety-chain. The maximum ambient temperature $T_a = 45^{\circ}\text{C}$ must never be exceeded.

Installation / Overhead rigging

Caution: any units installed in an overhead position may cause severe injuries if not installed correctly or safely. Please ensure the mounting structure is secure and stable, and is capable of holding 10 times the weight of the unit to be installed. Always use suitable hanging/mounting brackets or clamps. Always fit a suitable safety chain.

If in any doubt about installation please contact a qualified technician.

Replacing the fuse

If the fuse of the unit fuses, only replace the fuse by one of the same type and rating.

Before replacing the fuse, unplug mains lead.

Step 1: Open the fuse holder on the rear panel with a screwdriver.

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing.

Should you need any spare parts, please use genuine parts.

Should you have further questions, please contact your retailer or local Kam Service Station.

Basic operation

After connecting the unit to the mains the LED display will illuminate on the rear panel and you can choose the desired operating mode via the Mode, Up and Down buttons. The device has two operating basic operating modes: Stand Alone or DMX modes.

Stand Alone / Sound-to-Light operation

Select SND mode with the rear Function buttons. The unit is now in Sound-to-Light mode and will now respond to any strong bass sound. Adjust the sensitivity of the microphone using the Mic Sensitivity control.

Stand Alone / Auto operation

Select Auto mode (AUTo) with the rear Function buttons. The unit has built-in programs and will cycle through these programs in Auto mode. The speed of the programs can be adjusted using the Up and Down buttons on the rear of the unit. The range is S001 (fast) to S100 (slow).

DMX operation

The LED display allows you to assign each unit's DMX address, which is defined as the first channel from which the unit will respond to your external DMX controller.

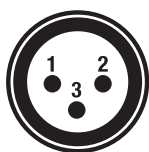
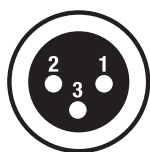
DMX addressing

Press the Mode button until the display shows 512. Set the desired address via the Up or Down buttons. The unit is now ready for control via your external DMX controller.

DMX512 connection / connection between units

All DMX cables must be wired correctly, with suitable 2 core screened cable. The signal lines must be separate and no cables should be bridges. Please check this if you are trying to use a microphone cable as these are often balanced leads and will not work for DMX purposes.

DMX output / XLR socket DMX input / XLR plug



1. Ground / 2. Signal (-) / 3. Signal (+)

If you are using a DMX controller with this unit, you can connect the DMX output of the controller directly into the DMX input of the first unit in the DMX chain.

Master/Slave explained

The Master/Slave operation enables several devices to be synchronised and controlled by one master device. On the rear panel of the unit you will find XLR input and XLR output sockets which can be used for linking devices. Choose the device which is to control the effects. This device will work as the Master device and controls all other connected units, these are known as the Slaves.

Building a serial DMX chain

Connect the DMX output of the first unit in the DMX chain to the DMX input of the next unit. Always connect one output with the input of the next fixture until all units are connected.

Master/Slave operation

You can link a maximum of 32 devices. Choose the device which will serve as the Master. On this unit press the Mode button to choose Sound or Auto mode.

To set the Slave devices press the Mode button to choose DMX512 mode. Select the starting address via the Up and Down buttons. Select A1.

Please note only one Master unit should be in the chain, all other units must be set to Slave DMX addressing.

Channel	DMX value	Description
Channel 1 - red colour settings	000 – 010	Off
	011 – 255	Red
Channel 2 - green colour settings	000 – 010	Off
	011 – 255	Green
Channel 3 - blue colour settings	000 – 010	Off
	011 – 255	Blue
Channel 4 - horizontal chaser	automatic	LED chaser from left to right
Channel 5 - vertical chaser	automatic	LED chaser from up to down
Channel 6 - Auto mode / progs / mode	000 – 005	No function
	006 – 022	Program 1
	023 – 039	Program 2
	040 – 056	Program 3
	057 – 073	Program 4
	074 – 090	Program 5
	091 – 107	Program 6
	108 – 124	Program 7
	125 – 141	Program 8
	142 – 158	Program 9
	159 – 175	Program 10
	176 – 192	Program 11
	193 – 209	Program 12
	210 – 226	Program 13
	227 – 249	Program 14
	250 – 255	Sound-to-Light mode
Channel 7 - Auto mode speed	000 – 255	Increasing speed

Technical specifications

Power supply: **230V AC, 50Hz ~**

Power consumption: **40W**

Number of DMX channels: **7**

DMX512 connection: **3 pin XLR**

Sound control: **via built-in microphone**

Maximum ambient temperature Ta: **45°C**

Maximum housing temperature TB (steady state): **50°C**

Minimum distance from flammable surfaces: **0.50m**

Minimum distance to lighted object: **0.10m**

Fuse: **F1A, 250V**

Number of LEDs: **256**

Beam angle: **15°**

Dimensions (LxWxH): **800 x 90 x 230mm**

Weight: **5.5Kg**

Due to continuous product development, specifications and appearance are subject to change.

If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.